



worldwide standards for the entertainment industries

# PLASA Standards News

July 2015 Volume 19, Number 13

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## PLASA Public Review

A draft portable power feeder cable standard is available for public review on the PLASA TSP website at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php) through 3 August 2015.

**BSR E1.51 - 201x, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance, and Event Industries in Canada.** E1.51 is intended to offer guidance in accordance with existing applicable standards and regulations in Canada on how to select, install, use and maintain single-conductor portable feeder cables used to supply power for television, film, live performance, and special events in Canada. The review is over when 4 August 2015 starts.

## Call for TSP Members

PLASA's TSP works to maintain a balance of interest on the working groups to help ensure that the standards developed are for the benefit of everyone: the people who make equipment, the people who sell or rent it, the people who specify it, and the people who use it. To do this, periodically the TSP issues a call for new members in particular interest categories. At this time, the following working groups are looking for voting members in the noted interest categories to help balance the interests in the working group.

**Control Protocols:** dealer/rental companies, designers, general interest

**Electrical Power:** dealer/rental companies, designers

**Floors:** dealer/rental companies, designers

**Fog and Smoke:** dealer/rental companies, designers, general interest, mass-market producers

**Followspot Position:** dealer/rental companies, designers

**Photometrics:** dealer/rental companies, users

**Rigging:** designers, general interest

**Stage Lifts:** dealer/rental companies, custom-market and mass-market producers

The interest categories are defined in relation to the subject matter of a working group. A company that rents lighting controls and that manufactures portable dance floors would be in different interest categories for the Control Protocols and Floors working groups.

**Custom-market producer:** a producer of goods in which more than 50% of its product lines by dollar value are designed and manufactured for specific customers to meet specifications provided by those customers.

**Mass-market producer:** a producer of goods in which more than 50% of the product line is uniform products, designed and manufactured for non-specific customers without modification for any particular customer.

**Dealer or rental business:** a company whose major business (more than 50%) is in the reselling or renting of products from several manufacturers to the company's customers.

**User:** a person or company that uses the products that are the subject of a working group, and for whom this use results in a net income that is greater than any income derived from making, selling, or renting the subject products to others. Users would include educators and product end-users.

**General interest:** a person or company that is affected by the work of the group but that may not reasonably be considered a custom-market producer, a dealer or rental business, a mass-market producer, or a user of the products that are the subject of the working group. Examples are companies that do such a variety of business in a subject area that no one thing (renting or manufacturing, for example) could be considered over 50% of the business.

**Designer:** a person or company that incorporates the products and services within the scope of PLASA standards in their work but is not involved in the production, sale, or distribution of the actual products, nor is regularly employed by those who are involved in the production, sale, or distribution of the actual products. Examples are theatre consultants, architects, and engineers who derive most of their income from work as design professionals.

More information about TSP working groups and a link to an application form can be found at [http://tsp.plasa.org/tsp/working\\_groups/index.html](http://tsp.plasa.org/tsp/working_groups/index.html). You do not need to be a member of PLASA to participate in PLASA's Technical Standards Program, but, of course, anyone who is not a member is encouraged to join PLASA, and all are encouraged to help sponsor the TSP. See [http://tsp.plasa.org/tsp/inv\\_in\\_innovation/sponsor.html](http://tsp.plasa.org/tsp/inv_in_innovation/sponsor.html)

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## Texas Plugfest

The next PLASA Control Protocols Plugfest will be held July 24 through 27 at the Marriott Solana in Westlake, TX, near the Dallas Forth-Worth Airport. Plugfests are informal gatherings that give engineers and software developers the opportunity to test their product's interoperability with a wide variety of other

products using PLASA's protocols. Recent plugfests have focused on RDM (E1.20) and Streaming ACN (E1.31), along with prototype implementations of RDMnet (E1.33).

The Control Protocols Plugfest is being held in conjunction with the July 2015 PLASA Technical Standard Program meetings. Participation in the plugfest is free, and open to anyone who has an interest in the standards developed by the PLASA Control Protocols Working Group (CPWG).

See the PLASA TSP meeting schedule at <http://tsp.plasa.org/tsp/meetings/index.php> for hours, location, and information on hotel registration. Answers to questions and further information can be found at the Control Protocol Forums, <http://www.rdmprotocol.org/forums/>, or by emailing Scott Blair at [sblair@rdmprotocol.org](mailto:sblair@rdmprotocol.org). Registration is not required, but please send a note to Scott if you plan to bring a lot of equipment or large equipment.

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## Top Prize \$2,500. Submissions Due by July 24

The World Standards Day Paper Competition, co-sponsored by SES - The Society for Standards Professionals and the U.S. Celebration of World Standards Day Planning Committee, is an effort to celebrate the global importance of standards and to honor selected individuals in the U.S. standards community. The 2015 paper competition winners will be announced and given their awards at the U.S. Celebration of World Standards Day, which will be held this year on 1 October 2015, at the Fairmont Hotel in Washington, D.C.

Three cash prizes will be awarded by SES and the World Standards Day Planning Committee for the best papers submitted. The first place winner receives \$2,500 and a plaque. Second and third place winners receive \$1,000 and \$500, respectively, along with a certificate. In addition, the winning papers will be published in the SES journal, *Standards Engineering*. All paper competition submissions must be received with an official entry form by **midnight 24 July 2015**, by the SES Executive Director, email to [admin@ses-standards.org](mailto:admin@ses-standards.org). For the complete rules, tips for writing papers, and to download the World Standards Day Paper Competition entry form, visit the SES website at <http://www.ses-standards.org/default.asp?page=130>.

The purpose of the World Standards Day Paper Competition is to focus on standards and their use. Authors may choose to address the 2015 World Standards Day theme, "Standards – The World's Common Language;" however, there is no obligation to do so. Authors may choose to address topics that are either domestic (U.S.) or international in scope. The paper competition is open to any individual in the private sector, government, or academia, including employees of standards developing organizations. Entrants must be employed by a U.S.-based organization and be working in the U.S. Co-authorship is permitted.

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## Free BSI Essential Guide to Eurocodes Transition

The basis for structural and geotechnical design within the UK has now shifted from withdrawn British Standards to European standards. To support the transition BSI has made one of their popular books The Essential Guide to Eurocodes Transition (worth £42) available as a free download at <http://shop.bsigroup.com/Browse-By-Subject/Eurocodes/Eurocodes-2015/Free-guide-to-Eurocodes/>. The guide brings together leading experts from the Eurocode community to share insights into the use and application of the new codes, focusing on how users can make the transition as quickly and efficiently as possible.

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## Behind the Scenes Holiday Cards Are Now Available

The PLASA Foundation has announced its 2015 Behind the Scenes Holiday Cards, featuring five new designs by William Ivey Long, Robert Mendoza, Court Watson, Paul Weimer, and Paige Weintraut, and the return of a favorite design from the past by Bruce Rodgers. Three card ordering options are offered: personalized cards with a company logo and custom message, card packs of 10 with a standard greeting, and electronic versions for delivery by email. Orders will be taken until 14 September 2015 to arrive by late October. All proceeds benefit the Behind the Scenes charity, which provides financial assistance to entertainment technology professionals who are seriously ill or injured. View and order cards at <http://www.behindthescenescharity.org/holidaycards>. For more information, please contact 212-244-1421 or [holidaycard@behindthescenescharity.org](mailto:holidaycard@behindthescenescharity.org). For more information about Behind the Scenes, to donate to the charity, or to apply for a grant, please visit <http://www.behindthescenescharity.org>.

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## FCC Adopts Rules for Shared Commercial Operations in the 3550-3650 MHz Band

The Federal Communications Commission has adopted rules to establish a new Citizens Broadband Radio Service in the 3550—3700 MHz band. This document implements a three-tiered spectrum authorization framework in the 3550-3700 MHz band to facilitate a variety of small cell and other broadband uses of the band on a shared basis with incumbent federal and non-federal users. Effective July 23, 2015, except for Sec. Sec. 96.17(d), 96.21(a)(3), 96.23(b), 96.29, 96.33(b), 96.35(e), 96.39(a), 96.39(c)- (g), 96.41(d)(1), 96.43(b), 96.45(b), 96.45(d), 96.49, 96.51, 96.57(a)- (c), 96.59(a), 96.61, 96.63, and 96.67(b)-(c) which contain information collection requirements that are not effective until approved by the Office of Management and Budget. The FCC will publish a document in the Federal Register announcing the effective date for those sections.

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## WTO Technical Barrier to Trade Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced WTO Technical Barrier to Trade notices that may be of interest to *Standards News* readers. If you have a problem with these notices, you can protest through your representative to the WTO. In the US, that is NIST ([notifyus@nist.gov](mailto:notifyus@nist.gov)). See <http://ec.europa.eu/enterprise/tbt/> for European TBT objections.

### Costa Rica Notification CRI/149

**Date issued:** 25 June 2015

**Agency responsible:** Ministry of the Economy, Industry and Trade (MEIC)

**National inquiry point:** Ministerio de Economía, Industria y Comercio: Dirección de Mejora Regulatoria y Reglamentación Técnica, Centro de Información de Obstáculos Técnicos al Comercio - CIOT (MEIC)

**Products covered:** Electrical conductors and extension cords

**Title:** Costa Rican Technical Regulation (RTCR) No. 475:2015: Electrical products. Electrical conductors and extension cords. Specifications

**Description of content:** The notified Technical Regulation seeks to establish the technical specifications and marking and labelling requirements to be met by conductors for use in electrical installations in all types of constructions and by temporary extension cords used in national territory, with a view to preventing or minimizing risks to human life and safety and property. The Standard applies to domestically manufactured and imported products marketed in Costa Rica.

**Objective and rationale:** Protection of human life

**Relevant documents:** The relevant documents are listed in Annex A "Familias de materiales eléctricos específicos" (Families of specific electrical equipment) to the notified draft text. This Technical Regulation does not correspond to any technical standard in particular given that it covers a number of products; the technical requirements applicable to these products are, however, set out in at least one of the standards listed in Annex A.

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 25 August 2015

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CRI/full\\_text/pdf/CRI149\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CRI/full_text/pdf/CRI149(spanish).pdf)

### China Notification CHN/1089

**Date issued:** 25 June 2015

**Agency responsible:** Standardization Administration of China (SAC)

**National inquiry point:** General Administration of Quality Supervision and Inspection and Quarantine of the People's Republic of China (AQSIQ)

**Products covered:** Projectors (HS 8528)

**Title:** National standard of the P.R.C., Minimum allowable values of energy efficiency and energy efficiency grades for projectors

**Description of content:** Articles 4.3 of this standard is mandatory, the rest ones are recommended. This standard specifies the minimum allowable values of energy efficiency, evaluating values of energy conservation and testing methods thereof for projectors. This standard applies to LCD and DLP projectors with lighting sources of high-voltage mercury lamps or metal halide lamps. LCOS projectors and projectors with solid state lighting sources are applied by reference. The standard is not applicable to projection unit composed of projection screens and projectors, and specialized projectors used by cinemas in showing films.

**Objective and rationale:** To save energy  
**Proposed date of adoption:** 25 September 2015  
**Proposed date of entry into force:** 25 March 2016  
**Final date for comments:** 25 August 2015  
**Full text:**

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/CHN/full\\_text/pdf/CHN1089\(simplified\\_chinese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHN/full_text/pdf/CHN1089(simplified_chinese).pdf)

#### **China Notification CHN/1090**

**Date issued:** 25 June 2015

**Agency responsible:** Standardization Administration of China (SAC)

**National inquiry point:** General Administration of Quality Supervision and Inspection and Quarantine of the People's Republic of China (AQSIQ)

**Products covered:** Computer monitors

**Title:** National standard of the P.R.C., Minimum allowable values of energy efficiency and energy efficiency grades for computer monitors

**Description of content:** Articles 4.2 and 4.4 of this standard is mandatory, the rest ones are recommended. This standard specifies the minimum allowable values of energy efficiency, evaluating values of energy conservation and testing methods thereof for computer monitors. This standard applies to the general-purpose LCD computer monitors including those equipped with tuners. The standard is not applicable to monitors used in engineering, medical, industrial equipments for professional display purposes.

**Objective and rationale:** To save energy

**Proposed date of adoption:** 25 September 2015

**Proposed date of entry into force:** 25 March 2016

**Final date for comments:** 25 August 2015

**Full text:**

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/CHN/full\\_text/pdf/CHN1090\(simplified\\_chinese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHN/full_text/pdf/CHN1090(simplified_chinese).pdf)

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## **ANSI Public Review Announcements**

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at [psa@ansi.org](mailto:psa@ansi.org).

### **Due 10 August 2015**

**BSR/NECA 409-201X, Standard for Installing and Maintaining Dry-Type Transformers** (revision of ANSI/NECA 409-2009)

This standard describes the installation and maintenance procedures for single- and three-phase general purpose dry-type distribution and power transformers and associated accessories rated 600 Volts AC or less, and 0.25 kVA or more. This publication applies to indoor and outdoor, ventilated, and non-ventilated, two-winding transformers used for supplying power, heating, and lighting loads for commercial, institutional, and industrial use in nonhazardous locations.

Single copy price: \$40.00

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

**BSR/NSF 50-201x (i107r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2014)

This standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

Single copy price: Free

Order from and send comments to: Lauren Panoff, [lpanoff@nsf.org](mailto:lpanoff@nsf.org)

**INCITS/ISO/IEC TR 29144:2014 [2015], Information technology - Biometrics - The use of biometric technology in commercial Identity Management applications and processes** (Technical Report)

This technical report will discuss concepts and considerations for the use of biometrics in a commercial Identity Management Solutions; items that need to be considered when integrating biometrics into a commercial Identity Management Solutions; and implementation Issues when implementing biometrics into commercial Identity Management Solutions. This technical report will not define an architecture and framework for IDM; discuss any specification or assessment of government policy; discuss the business

need for a biometric database or process; discuss the specific biometrics and which ones are to be used in particular systems; consider the legality and acceptability in particular jurisdictions and cultures; analyze the general structure of identifiers and the global identification of objects (e.g., object identifiers); and discuss technical specifications in relation to the use of trusted biometric hardware and software.

Single copy price: \$88.00

Order from: <http://webstore.ansi.org>

Send comments to: [comments@itic.org](mailto:comments@itic.org)

**INCITS/ISO/IEC TR 29195:2015 [2015], Traveller processes for biometric recognition in automated border** (Technical Report)

This technical report provides recommended best practices and processes for automated border control systems using biometrics to verify an identity claim by a traveler that uses an ePassport or equivalent identity card as the basis for the claim. It indicates areas that organizations proposing to use biometric technologies will need to address during design, deployment, and operation. Much of the information is generic to all types of applications especially around signage; however, some information will be specific to the modality of biometric technology used and how that technology is physically implemented.

Single copy price: \$149.00

Order from: <http://webstore.ansi.org>

Send comments to: [comments@itic.org](mailto:comments@itic.org)

**Due 17 August 2015**

**BSR/AIIM/ISO 17469-1-201x, Document management applications - Strategy markup language (StratML) - Part 1: StratML core elements** (identical national adoption of ISO 17469-1:2015 and revision of ANSI/AIIM 21-2009)

This standard specifies an Extensible Markup Language (XML) vocabulary and schema (XSD) for the elements that are common and considered to be part of the essential core of the strategic plans of all organizations worldwide. This standard will not address: how the information contained in strategic and performance plans and reports should be presented; specify font sizes or colors, page margins or numbering, or how graphics should be displayed; and provide guidance on how to compile high-quality plans, beyond specifying the basic elements they should contain.

Single copy price: \$45.00

Order from and send comments to: Betsy Fanning, [bfanning@aiim.org](mailto:bfanning@aiim.org)

**BSR ICC A117.1-201x, Accessible and Usable Buildings and Facilities** (revision of ANSI ICC A117.1-2009)

Site design and architectural features affecting the accessibility and usability of buildings and facilities, consideration to be given to all types of physical and sensory disabilities, to publicly used buildings and facilities, and to residential structures.

Single copy price: Free

Obtain an electronic copy from: <http://www.iccsafe.org/icc-asc-a117/>

Send comments to: Edward Wirtschoreck, [ewirtschoreck@iccsafe.org](mailto:ewirtschoreck@iccsafe.org)

**BSR/ISA 95.00.07-201x, Enterprise-Control System Integration - Part 7: Alias Service Model** (new standard)

The ISA95 series of standards defines enterprise-control system integration. This Part 7 standard defines an alias service model that includes a set of services and exchange information used to map identifiers from one identifier repository with a metadata registry to another identifier repository using a different registry.

Single copy price: \$99.00

Order from and send comments to: Charles Robinson, [crobinson@isa.org](mailto:crobinson@isa.org)

**Due 1 September 2015**

**BSR/ASME B29.28-201x, High Strength Chains for Power Transmission and Tension Linkages** (new standard)

This standard covers roller chains that are specifically designed to withstand occasional high shock loads or high starting loads that are encountered in certain construction equipment and other severe-duty applications.

Single copy price: Free

Order from: Mayra Santiago, [ansibox@asme.org](mailto:ansibox@asme.org)

Send comments to: Remington Richmond, [richmond@asme.org](mailto:richmond@asme.org)

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## BSI Public Review Announcements

BSI Standards has announced draft documents for public review that might be of interest to *Standards News* readers. The documents may be commented on at <http://drafts.bsigroup.com/>.

### Due 21 August 2015

#### **EN 16873, Conservation of cultural heritage. Guidelines for management of waterlogged wood on terrestrial sites of archaeological significance**

This draft European Standard provides guidelines for safeguarding waterlogged wood on terrestrial sites of archaeological or historical significance. It deals with the protection of archaeological and historical waterlogged wood, from the time of exposure during and after excavation, until it reaches the conservation laboratory. The standard cannot be applied to the management of underwater sites, controlled reburial, *in situ* preservation, or long term post excavation storage. Composite artefacts of wood and other materials are also excluded from the standard.

#### **EN 958, Mountaineering equipment. Energy absorbing systems for use in klettersteig (via ferrata) climbing. Safety requirements and test methods**

This European Standard specifies safety requirements and test methods for energy absorbing systems (EAS) for use in climbing on a Via Ferrata.

### Due 31 August 2015

#### **BS 7121-1, Code of practice for safe use of cranes — Part 1: General**

This part of BS 7121 gives recommendations for the safe use of cranes permanently or temporarily installed in a work environment. Subjects covered include safe systems of work, management, planning, selection, erection and dismantling, maintenance, inspection, thorough examination, operation and the planning and management of lifting operations.

This standard is not applicable to the use of cranes:

- a) in a non-work environment, such as bungee jumping or similar entertainment activities; or
- b) as part of a fully automated storage or production system.

#### **BS 1192+A1, Collaborative production of architectural, engineering and construction information – Code of practice**

This standard establishes the methodology for managing the production, distribution and quality of construction information, including that generated by CAD systems, using a disciplined process for collaboration and a specified naming policy. It is applicable to all parties involved in the preparation and use of information throughout the design, construction, operation and deconstruction throughout the project lifecycle and the supply chain. The principles for information sharing and common modelling are equally applicable to building and civil projects. The standard is an alternative where the formal meta-data recommendations provided in BS EN 82045-2 and ISO 82045-5 cannot be used because of the absence of a compliant and common document repository within an organization or project team.

### Due 14 September 2015

#### **EN 54-7, Fire detection and fire alarm systems — Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionisation**

This draft European Standard specifies requirements, test methods and performance criteria for point smoke detectors that operate using scattered light, transmitted light or ionization, intended for use in fire detection and fire alarm systems installed in and around buildings (see EN 54-1:2011). It provides for the assessment of verification of consistency of performance (AVCP) of point smoke detectors to this EN. For other types of smoke detector, or smoke detectors working on different principles, this standard should only be used for guidance. Smoke detectors with special characteristics and developed for specific risks are not covered by this standard.

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## DIN Public Review Announcements

The Deutsches Institut für Normung has announced draft documents for public review that may be of interest to *Standards News* readers. After you register with DIN at <http://www.entwuerfe.din.de/>, you may purchase and comment on DIN draft standards. They are written in German.

**Due 17 November 2015**

**DIN 15549, Bild-Aufzeichnungsmaterialien - Materialien für Fotografien - Beschaffenheit von Aufbewahrungsmitteln** (Imaging materials - Material for photographs - Composition of storage materials) This document specifies requirements for the materials and construction of storage containers for photographic media. Proper packaging is a proven and relatively inexpensive means of preserving traditional photographic media.

Single copy price: Euro 72.10 for PDF

**Due 7 December 2015**

**DIN 56930-1, Veranstaltungstechnik - Lichtstellsysteme - Teil 1: Dimmer - Begriffe und Anforderungen** (Entertainment technology - Stage Lighting Systems - Part 1: Dimmer - Definitions and requirements)

This standard applies to the use of electronic dimmers for brightness control of lamps in low voltage distribution systems for professional applications in fixed and portable staging and production. This standard does not apply to the use of dimmable general lighting, household dimmers, or mechanical dimmers.

Single copy price: Euro 72.10 for PDF

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## **New ANS Projects**

ANSI has announced the following new projects that might materially affect *Standards News* readers—or at least be interesting to them. Contact the developer if you (a) want to be involved in the project, or (b) object to the project and wish it to be abandoned, or (c) if you would like to point out that its scope is covered by an existing standard, thereby possibly making the project redundant or conflicting.

**BSR/ASME HST-2-201x, Performance Standard for Hand Chain Manually Operated Chain Hoists**  
(revision of ANSI/ASME HST-2-2014)

This standard establishes performance requirements for hand chain manually operated chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads, using welded link type load chain as a lifting medium, with one of the following types of suspension: (1) hook or clevis; (2) trolley. This standard is applicable to hoists manufactured after the date on which this standard is issued. Differential pulley and self-locking worm drive type hoists are not covered in this standard. This standard is not applicable to (1) damaged or malfunctioning hoists, (2) hoists that have been misused or abused, (3) hoists that have been altered without authorization of the manufacturer or a qualified person, (4) hoists used for lifting or supporting people, (5) hoists used for the purpose of drawing both the load and the hoist up or down the hoist's own load chain, and (6) hoists used for marine and other applications as required by the Department of Defense (DOD). The requirements of this standard shall be applied together with the requirements of ASME B30.16. Please also refer to ASME B30.16 for requirements pertaining to marking, construction, installation, inspection, testing, maintenance, and operation.

Contact: Mayra Santiago, [ansibox@asme.org](mailto:ansibox@asme.org)

**BSR/IEEE 802.1Qci-201x, Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks Amendment: Per-Stream Filtering and Policing** (new standard)

This standard specifies procedures and managed objects for a bridge to perform frame counting, filtering, policing, and service class selection for a frame, based on the particular data stream to which the frame belongs, and a synchronized cyclic time schedule. Policing and filtering functions include the detection and mitigation of disruptive transmissions by other systems in a network, improving the robustness of that network.

Project Need: The development of standards for Time-Sensitive Networking (TSN) have shown that there exist no interoperable standards that enable a bridge to detect whether or not some systems in a network are conforming to behaviors agreed to by configuration and/or protocol exchanges.

Contact: Lisa Weisser, [l.weisser@ieee.org](mailto:l.weisser@ieee.org)

**BSR/IEEE 802.1Qcj-201x, Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services** (new standard)

This standard specifies bridges that interconnect individual LANs, each supporting the IEEE 802 MAC Service using a different or identical media access control method, to provide Bridged Networks and VLANs.

Contact: Lisa Weisser, [l.weisser@ieee.org](mailto:l.weisser@ieee.org)

**BSR/IEEE 802.22-201x, Standard for Information Technology - Local and Metropolitan Area Networks - Specific Requirements - Part 22: Cognitive Radio Wireless Regional Area Networks (WRAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the Bands that Allow Spectrum Sharing where the Communications Devices May Opportunistically Operate in the Spectrum of the Primary Service** (revision of ANSI/IEEE 802.22-2011)

This standard specifies the air interface, including the cognitive radio medium access control layer (MAC) and physical layer (PHY), of point-to-multipoint and backhaul wireless regional area networks comprised of a professional fixed base station with fixed and portable user terminals. The standard specifies operation in the bands that allow spectrum sharing where the communications devices may opportunistically operate in the spectrum of the primary service, such as 1300 MHz to 1750 MHz, 2700 MHz to 3700 MHz, and the VHF/UHF TV broadcast bands between 54 MHz to 862 MHz.

Contact: Lisa Weisser, [l.weisser@ieee.org](mailto:l.weisser@ieee.org)

**BSR/IEEE 802c-201x, Standard for Local and Metropolitan Area Networks: Overview and Architecture** (new standard)

The amendment will provide an optional local MAC address space structure to allow multiple administrations to coexist. This structure will designate a range of local MAC addresses for protocols using a Company Identifier (CID) assigned by the IEEE Registration Authority. Another range of local MAC addresses will be designated for assignment by local administrators. The amendment will recommend a range of local MAC addresses for use by IEEE 802 protocols.

Contact: Lisa Weisser, [l.weisser@ieee.org](mailto:l.weisser@ieee.org)

**BSR/NEMA FL 1-201x, Flashlight Basic Performance Standard** (revision of ANSI/NEMA FL1-2009)

This standard covers basic performance of handheld/portable flashlights, spotlights, and headlamps providing directional lighting.

Contact: Michael Tierney, [mtierney@kellencompany.com](mailto:mtierney@kellencompany.com)

**BSR/UL 1640-201x, Standard for Safety for Portable Power-Distribution Equipment** (new standard)

The requirements of UL 1640 cover portable power-distribution equipment intended for use in the following locations: (a) Carnivals, circuses, fairs, and similar locations in accordance with Article 525 of the National Electrical Code (NEC), NFPA 70; (b) Exhibition halls in accordance with Article 518 of the NEC; (c) Motion picture and television studios and similar locations in accordance with Article 530 of the NEC; and (d) Theaters, audience areas of motion-picture and television studios, and similar locations in accordance with Article 520 of the NEC. The project is needed to obtain national recognition of a standard covering portable power-distribution equipment.

Contact: Derrick Martin, [Derrick.L.Martin@ul.com](mailto:Derrick.L.Martin@ul.com)

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## Final Actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator, as applicable.

**ANSI C63.12-2015**, Standard Recommended Practice for Electromagnetic Compatibility Limits and Test Levels (revision of ANSI C63.12-1999 (R2007)): 18 June 2015

**ANSI C82.77-5-2015**, Lighting Equipment-Voltage Surge Requirements (new standard): 19 June 2015

**ANSI/ACCA 5 QI-2015**, HVAC Quality Installation Specifications (revision of ANSI/ACCA 5 QI-2010): 19 June 2015

**ANSI/AHAM PAC-1-2015**, Portable Air Conditioners (revision of ANSI/AHAM PAC-1-2009): 19 June 2015

**ANSI/ASHRAE Standard 188P-2015**, Legionellosis: Risk Management for Building Water Systems (new standard): 26 June 2015

**ANSI/ASHRAE/IES Addendum aa to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum ad to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum ae to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum ag to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum bm to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum e to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum n to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum q to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/ASHRAE/IES Addendum z to Standard 90.1-2015**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 26 June 2015

**ANSI/IESNA DG-3-2000 (R2015)**, Application of Luminaire Symbols on Lighting Design Drawing (reaffirmation of ANSI/IESNA DG-3 -2000 (R2010)): 25 June 2015

**ANSI/ISEA Z308.1-2015**, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2014): 17 June 2015

**ANSI/ISO/MSE 50004-2014**, Energy management systems - Guidance for the implementation, maintenance and improvement of an energy management system (identical national adoption of ISO 50004: 2014): 23 June 2015

**ANSI/ISO/MSE 50006-2014**, Energy management systems - Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) - General principles and guidance (identical national adoption of ISO 50006: 2014): 23 June 2015

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## Draft IEC & ISO Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. *Standards News* readers interested in reviewing and commenting on the document should order a copy from their national representative and submit their comments through them. (The IEC and ISO don't want to hear from plebs directly.) Comments from US citizens on IEC documents should be sent to Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org). Comments from US citizens regarding ISO documents should be sent to Karen Hughes at [isot@ansi.org](mailto:isot@ansi.org). The notices are sorted by comment deadline.

**ISO/IEC 14496-5/DAmD39**, Information technology - Coding of audiovisual objects - Part 5: Reference software - Amendment 39: Reference software for the Multi-resolution Frame Compatible Stereo Coding with Depth Maps of AVC - 18 July 2015, \$29.00

**ISO/IEC 23001-9/DAmD1**, Information technology - MPEG systems technologies - Part 9: Common encryption of MPEG-2 transport streams - Amendment 1: Support of Sparse Encryption - 18 July 2015, \$53.00

**ISO/IEC DIS 29161**, Information technology - Data structure - Unique identification for lot - 18 July 2015, \$67.00

**ISO/IEC DIS 33071**, Information technology - Process assessment - An integrated process capability assessment model for Enterprise processes - 18 July 2015, \$185.00

**ISO/IEC DIS 30100-2**, Information technology - Home network resource management - Part 2: Architecture - 18 July 2015, \$185.00

**ISO/DIS 6182-7**, Fire protection - Automatic sprinkler systems - Part 7: Requirements and test methods for early suppression fast response (ESFR) sprinklers - 18 September 2015, \$119.00

**ISO/DIS 30400**, Human resource management - Terminology - 18 September 2015, \$77.00

**ISO/IEC DIS 23000-15**, Information technology - Multimedia application format (MPEG-A) - Part 15: Multimedia preservation application - 20 July 2015, \$134.00

**64/2031/FDIS, Amendment 2 to IEC 60364-5-53**: Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control, 21 August 2015

**64/2032/FDIS, Amendment 1 to IEC 60364-4-44**: Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, 21 August 2015

**100/2528/DTR, IEC TR 61998/Ed1**: Model and framework for standardization in multimedia equipment and systems, 21 August 2015

**18/1457/CDV, IEC 60092-504 Ed.4**: Electrical installations in ships - Part 504: Automation, control and instrumentation, 25 September 2015

**65A/747/CD, IEC 61326-3-1 Ed. 2** - Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications, 25 September 2015

**65A/748/CD, IEC 61326-3-2 Ed. 2** - Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - Industrial applications with specified electromagnetic environment, 25 September 2015

**65E/456/CDV, IEC 62264-3 Ed. 2.0**: Enterprise-Control System Integration - Part 3: Activity models of manufacturing operations management, 25 September 2015

**66/574/CD, IEC 61010-2-030 Ed.2**: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2 -030: Particular requirements for testing and measuring circuits, 25 September 2015

**ISO/DIS 6182-13**, Fire protection - Automatic sprinkler systems - Part 13: Requirements and test methods for extended-coverage sprinklers - 10 November 2026, \$125.00

**ISO/IEC 13818-1/DAMd6**, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 6 - 29 December 2035 [sic], \$71.00

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## Recently Published IEC & ISO Documents

Listed here are documents recently approved by the IEC and ISO. The prices shown are for purchases from ANSI's eStandards Store, <http://webstore.ansi.org/>. Prices elsewhere may be different. A list of standards resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

**CISPR 11 Ed. 6.0 en:2015**, Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, \$436.00

**IEC 60958-3 Amd.2 Ed. 3.0 en:2015**, Amendment 2 - Digital audio interface - Part 3: Consumer applications, \$22.00

**IEC 60958-3 Ed. 3.2 en:2015**, Digital audio interface - Part 3: Consumer applications, \$484.00

**IEC 60958-SER Ed. 1.0 en:2015**, Digital audio interface - ALL PARTS, \$868.00

**IEC 61158-5-8 Ed. 1.0 b:2007**, Industrial communication networks - Fieldbus specifications - Part 5-8: Application layer service definition - Type 8 elements, \$363.00

**IEC 61784-5-10 Amd.1 Ed. 2.0 b:2015**, Amendment 1 - Industrial communication networks - Profiles - Part 5-10: Installation of fieldbuses - Installation profiles for CPF 10, \$22.00

**IEC 61784-5-10 Ed. 2.1 b:2015**, Industrial communication networks - Profiles - Part 5-10: Installation of fieldbuses - Installation profiles for CPF 10, \$169.00

**IEC 61784-5-12 Amd.1 Ed. 1.0 b:2015**, Amendment 1 - Industrial communication networks - Profiles - Part 5-12: Installation of fieldbuses - Installation profiles for CPF 12, \$24.00

**IEC 61784-5-12 Ed. 1.1 b:2015**, Industrial communication networks - Profiles - Part 5-12: Installation of fieldbuses - Installation profiles for CPF 12, \$169.00

**IEC 61784-5-15 Amd.1 Ed. 1.0 b:2015**, Amendment 1 - Industrial communication networks - Profiles - Part 5-15: Installation of fieldbuses - Installation profiles for CPF 15, \$24.00

**IEC 61784-5-15 Ed. 1.1 b:2015**, Industrial communication networks - Profiles - Part 5-15: Installation of fieldbuses - Installation profiles for CPF 15, \$230.00

**IEC 61784-5-4 Amd.1 Ed. 1.0 b:2015**, Amendment 1 - Industrial communication networks - Profiles - Part 5-4: Installation of fieldbuses - Installation profiles for CPF 4, \$20.00

**IEC 61784-5-4 Ed. 1.1 b:2015**, Industrial communication networks - Profiles - Part 5-4: Installation of fieldbuses - Installation profiles for CPF 4, \$290.00

**IEC 62061 Amd.2 Ed. 1.0 b:2015**, Amendment 2 - Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems, \$36.00

**IEC 62061 Ed. 1.2 b:2015**, Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems, \$545.00

**IEC 62379-7 Ed. 1.0 en:2015**, Common control interface for networked digital audio and video products - Part 7: Measurements, \$303.00

**IEC 62453-315 Ed. 1.0 b:2009**, Field device tool (FDT) Interface specification - Part 315: Communication profile integration - IEC 61784 CPF 15, \$303.00

**ISO 17842-1:2015**, Safety of amusement rides and amusement devices - Part 1: Design and manufacture, \$265.00

**ISO 17842-3:2015**, Safety of amusement rides and amusement devices - Part 3: Requirements for inspection during design, manufacture, operation and use, \$88.00

**ISO 17850:2015**, Photography - Digital cameras - Geometric distortion (GD) measurements, \$200.00

**ISO/IEC 13818-1:2015**, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems, \$265.00

**ISO/IEC 26300-1:2015**, Information technology - Open Document Format for Office Applications (OpenDocument) v1.2 - Part 1: OpenDocument Schema, \$265.00

**ISO/IEC 26300-2:2015**, Information technology - Open Document Format for Office Applications (OpenDocument) v1.2 - Part 2: Recalculated Formula (OpenFormula) Format, \$265.00

**ISO/IEC 26300-3:2015**, Information technology - Open Document Format for Office Applications (OpenDocument) v1.2 - Part 3: Packages, \$173.00

**ISO/IEC 29500-3:2015**, Information technology - Document description and processing languages - Office Open XML File Formats - Part 3: Markup Compatibility and Extensibility, \$173.00

**ISO/IEC TR 19075-2:2015**, Information technology - Database languages - SQL Technical Reports - Part 2: SQL Support for Time-Related Information, \$200.00

**ISO/IEC TR 19075-3:2015**, Information technology - Database languages - SQL Technical Reports - Part 3: SQL Embedded in Programs using the JavaTM programming language, \$149.00

**ISO/IEC TR 19075-4:2015**, Information technology - Database languages - SQL Technical Reports - Part 4: SQL with Routines and types using the JavaTM programming language, \$240.00

**ISO/IEC TS 18822:2015**, Programming languages - C++ - File System Technical Specification, \$240.00

**ISO/IEC TS 19570:2015**, Programming Languages - Technical Specification for C++ Extensions for Parallelism, \$149.00

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## TSP Meeting Schedule

The following meetings are scheduled to be held in person at the Marriott Solana in Westlake, TX. All times listed in CDT. WebEx remote attendance will be available. Please visit our website at <http://tsp.plasa.org/tsp/meetings/index.php> for the most up to date meeting schedule and for a link where you can reserve a hotel room in Westlake.

Control Protocols Plugfest	16:00 - 23:00	Friday 24 July 2015
	09:00 - 22:00	Saturday 25 July 2015
	09:00 - 22:00	Sunday 26 July 2015
	09:00 - noon	Monday 27 July 2015
Control Protocols Working Group	09:00 - 13:00	Saturday 25 July 2015
CPWG BSR E1.30-7 EPI 29 Revision TG	10:00 - noon	Sunday 26 July 2015
CPWG BSR E1.33 RDMnet TG	14:00 - 16:00	Saturday 25 July 2015
CPWG BSR E1.37-4 Firmware Uploads TG	14:00 - 16:00	Friday 24 July 2015
CPWG BSR E1.37-5 General Purpose PIDs TG	14:00 - 16:00	Saturday 25 July 2015
Electrical Power Working Group	19:00 - 22:00	Thursday 23 July 2015
Floors Working Group	14:00 - 18:00	Thursday 23 July 2015
Fog & Smoke Working Group	19:00 - 23:00	Friday 24 July 2015
Photometrics Working Group	14:00 - 18:00	Friday 24 July 2015
Rigging Working Group	09:00 - 13:00	Friday 24 July 2015
RWG BSR E1.47 Inspections TG	14:00 - 18:00	Thursday 23 July 2015
RWG BSR E1.56 Rigging Points TG	14:00 - 23:00	Friday 24 July 2015
Stage Lifts Working Group	14:00 - 18:00	Saturday 25 July 2015
Technical Standards Council	09:00 - 13:00	Sunday 26 July 2015

# PLASA Standards News

is distributed as a benefit to PLASA members and as a project announcement medium for PLASA's Technical Standards Program.

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